

Reaction Scheme

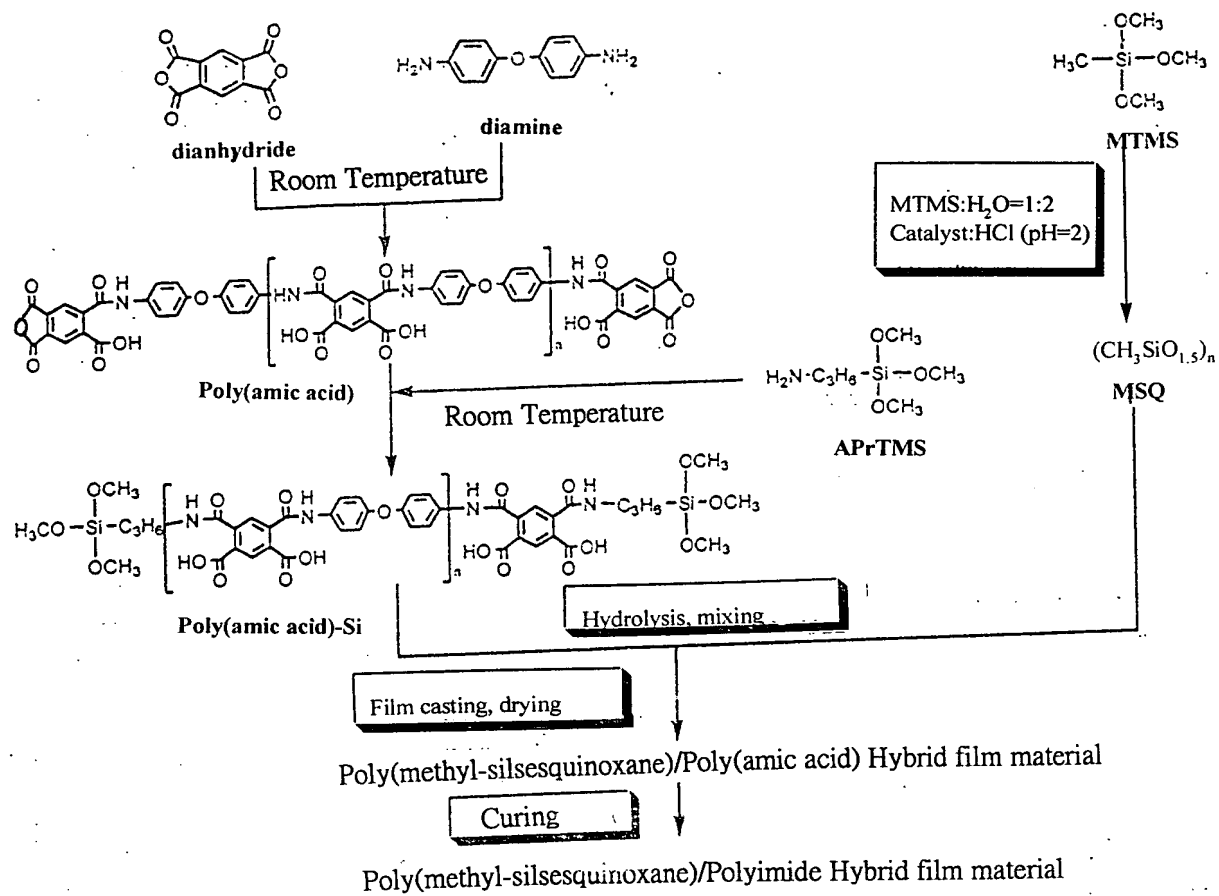


Figure 1

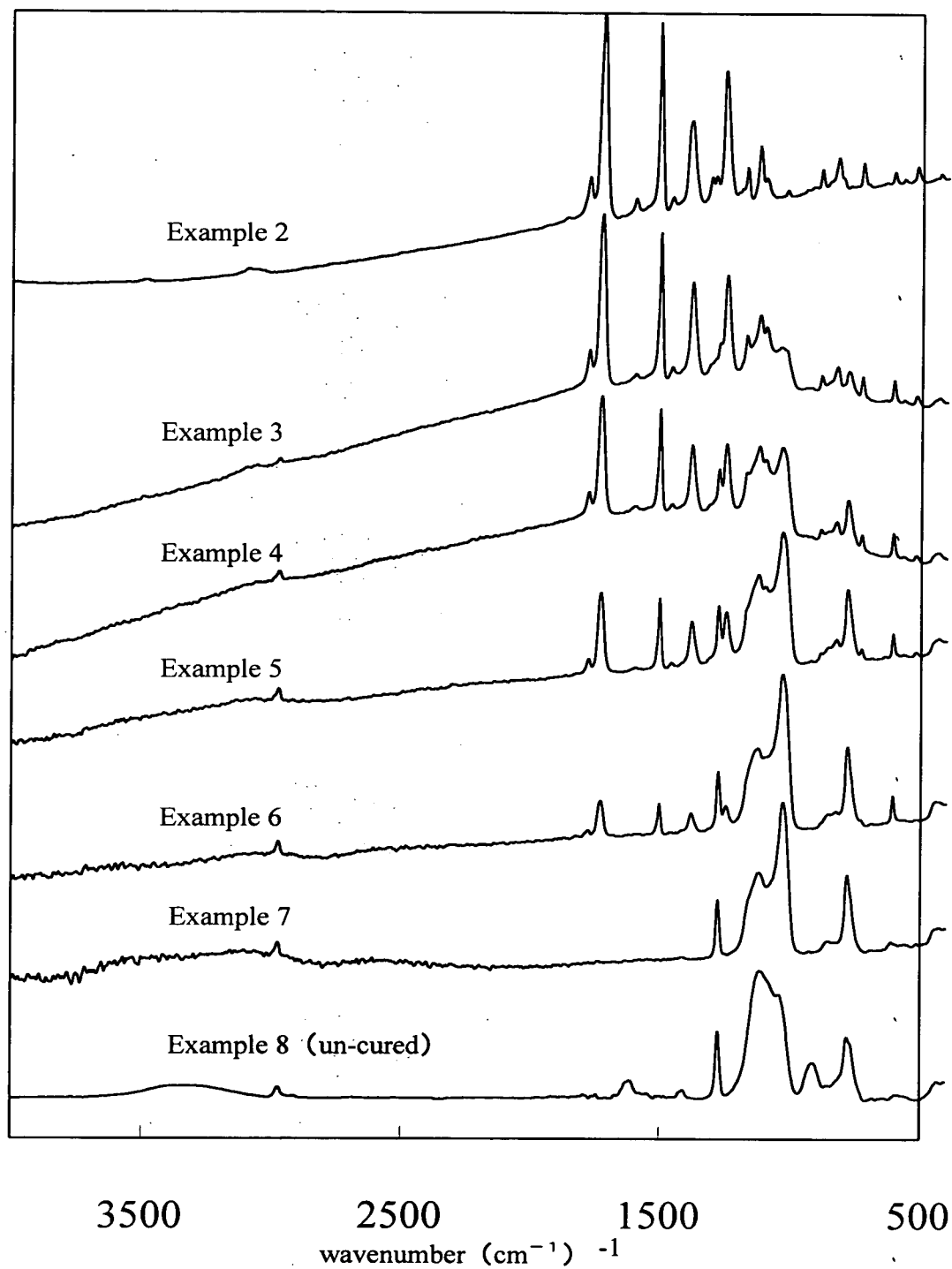


Figure 2

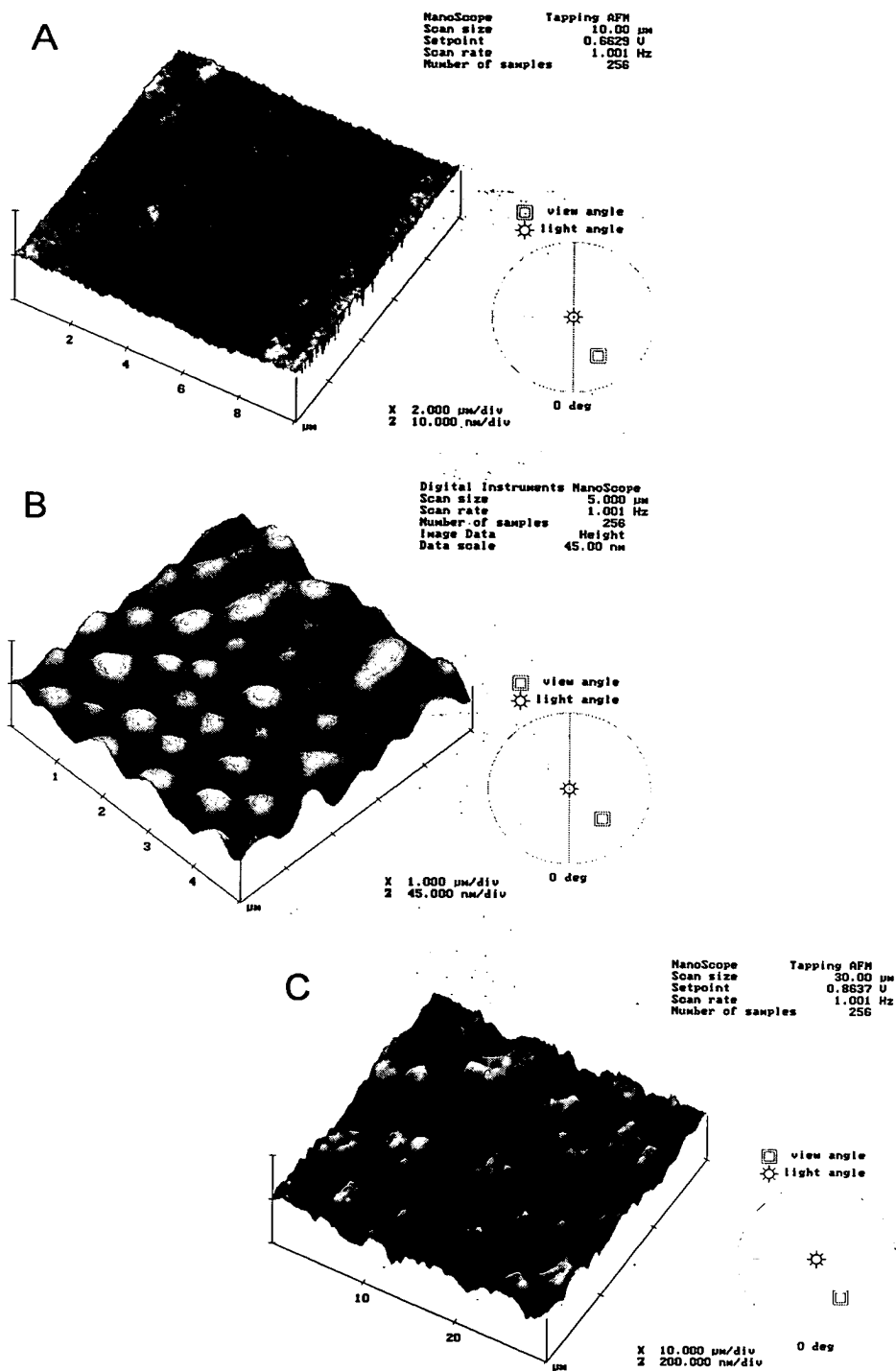


Figure 3

(A) poly(amic acid) having molecular weight of 1000, (B) poly(amic acid) having molecular weight of 5000, (C) poly(amic acid) having molecular weight of 1000 without addition of coupling agent

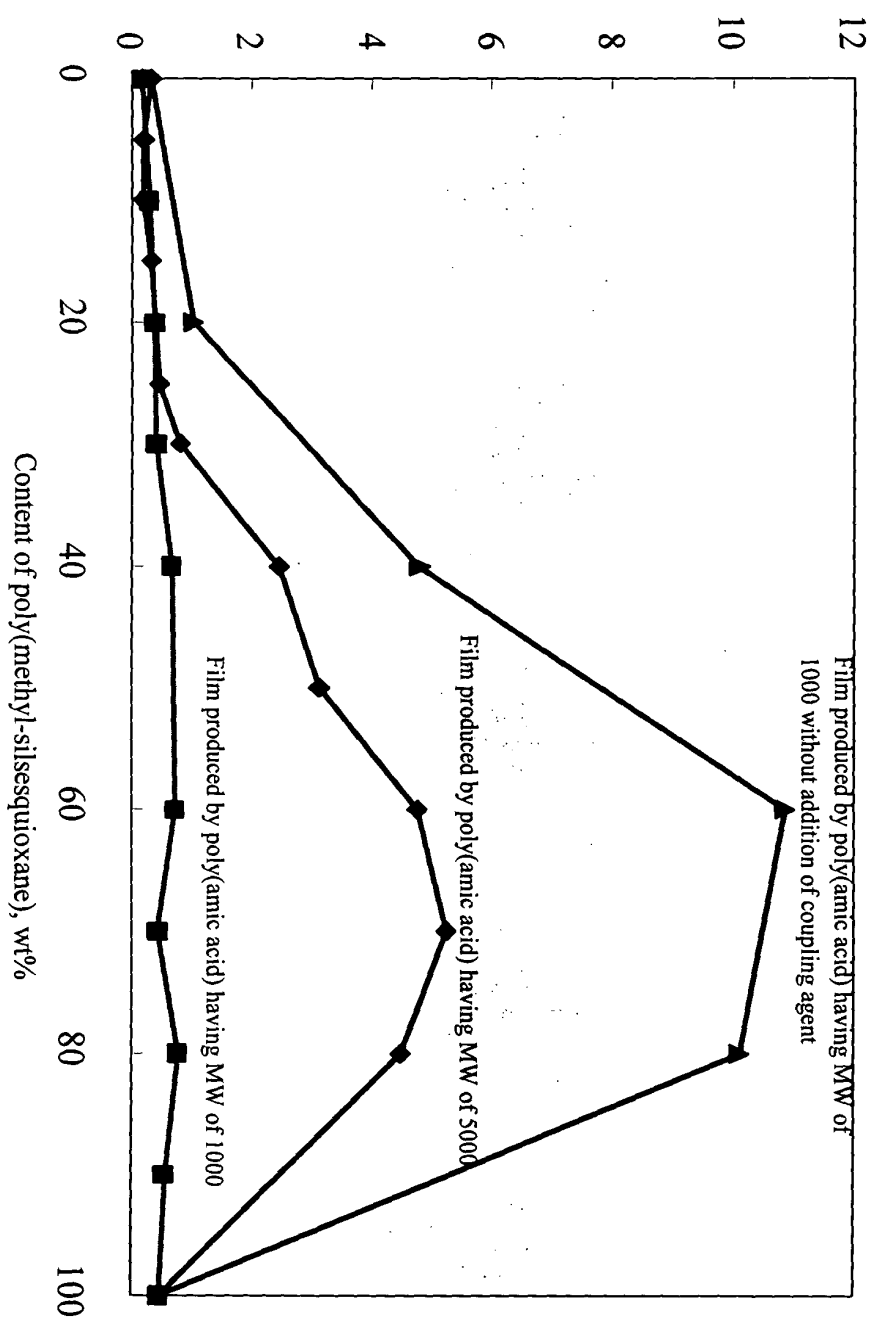


Figure 4

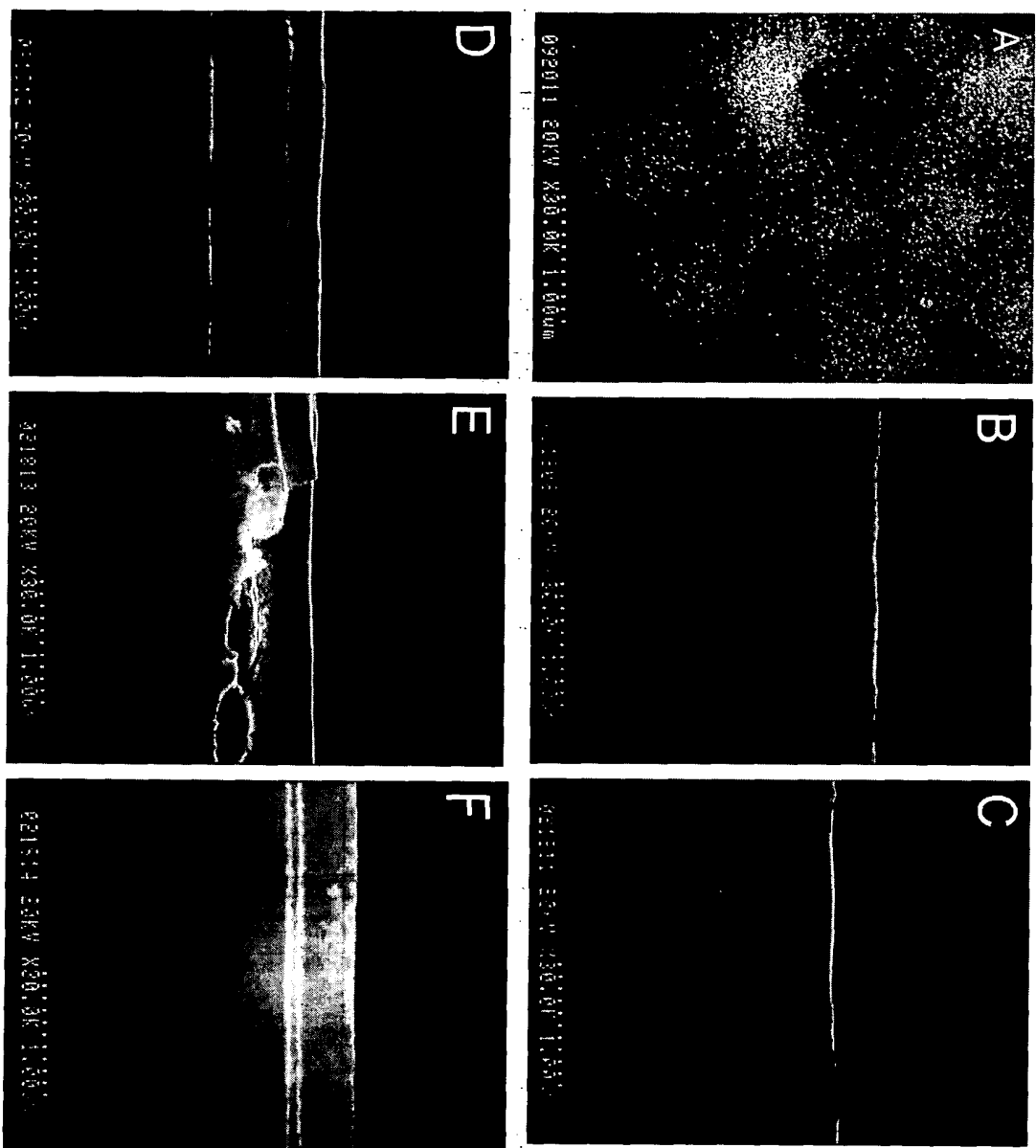


Figure 5

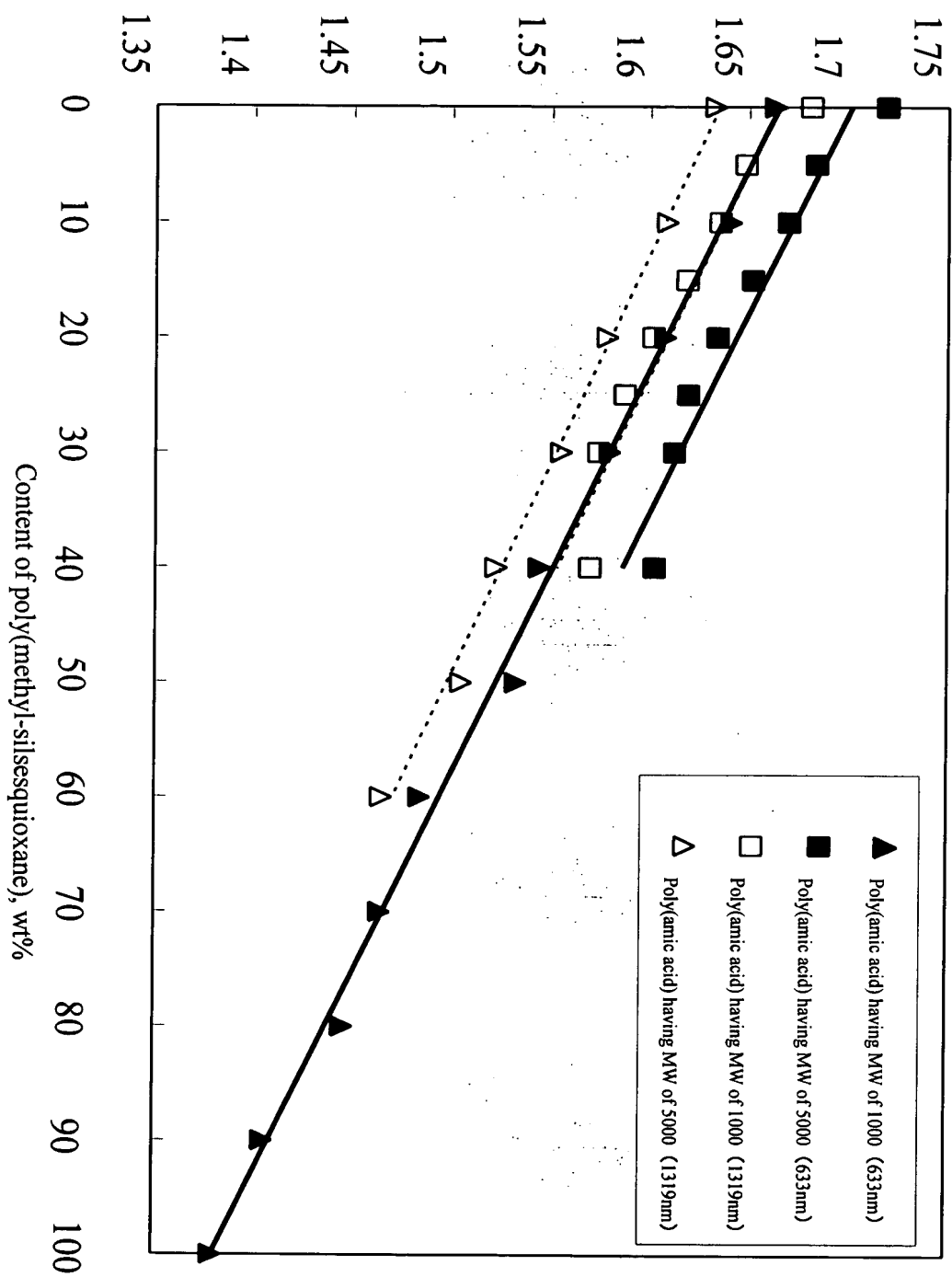


Figure 6

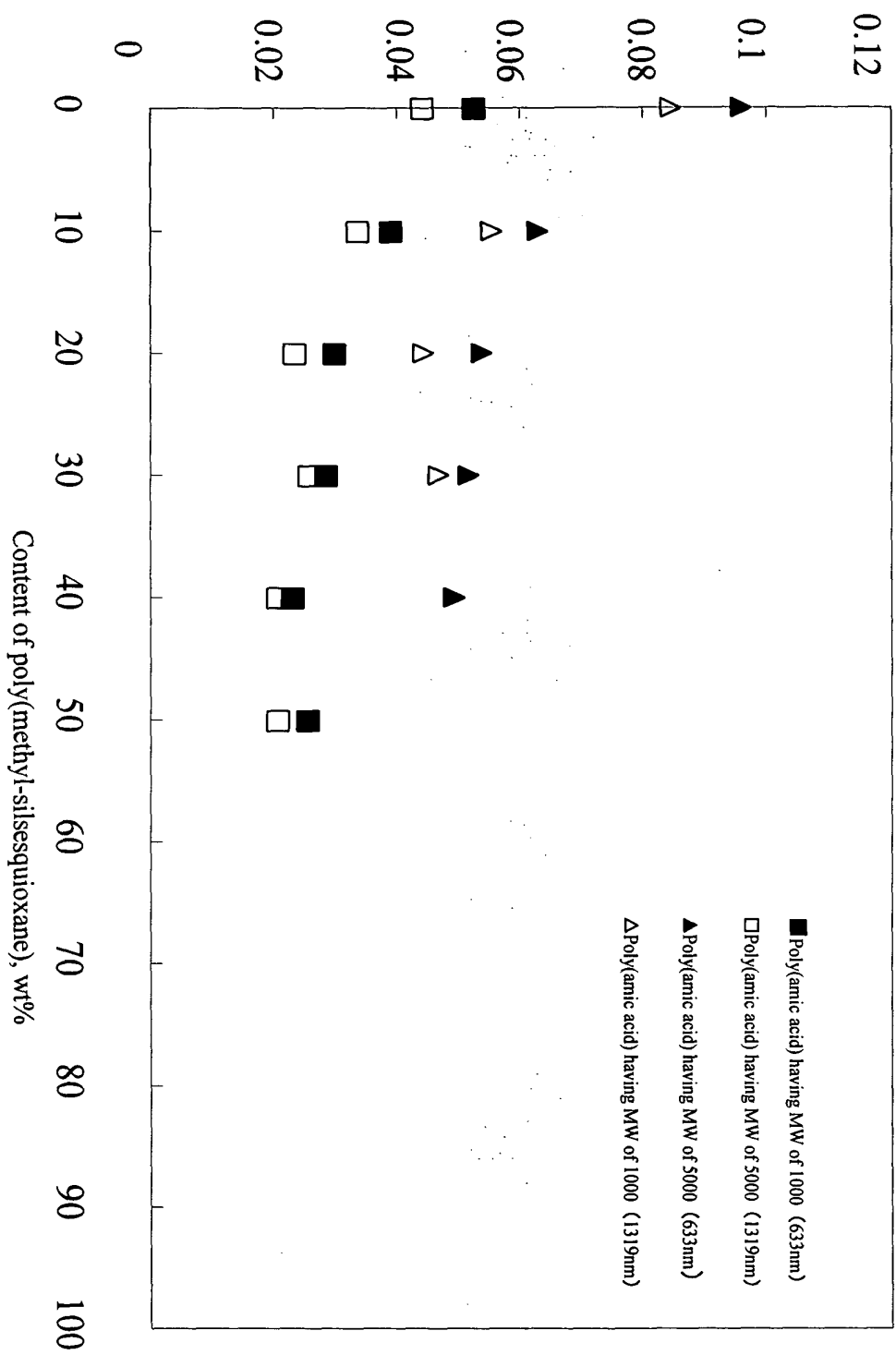


Figure 7

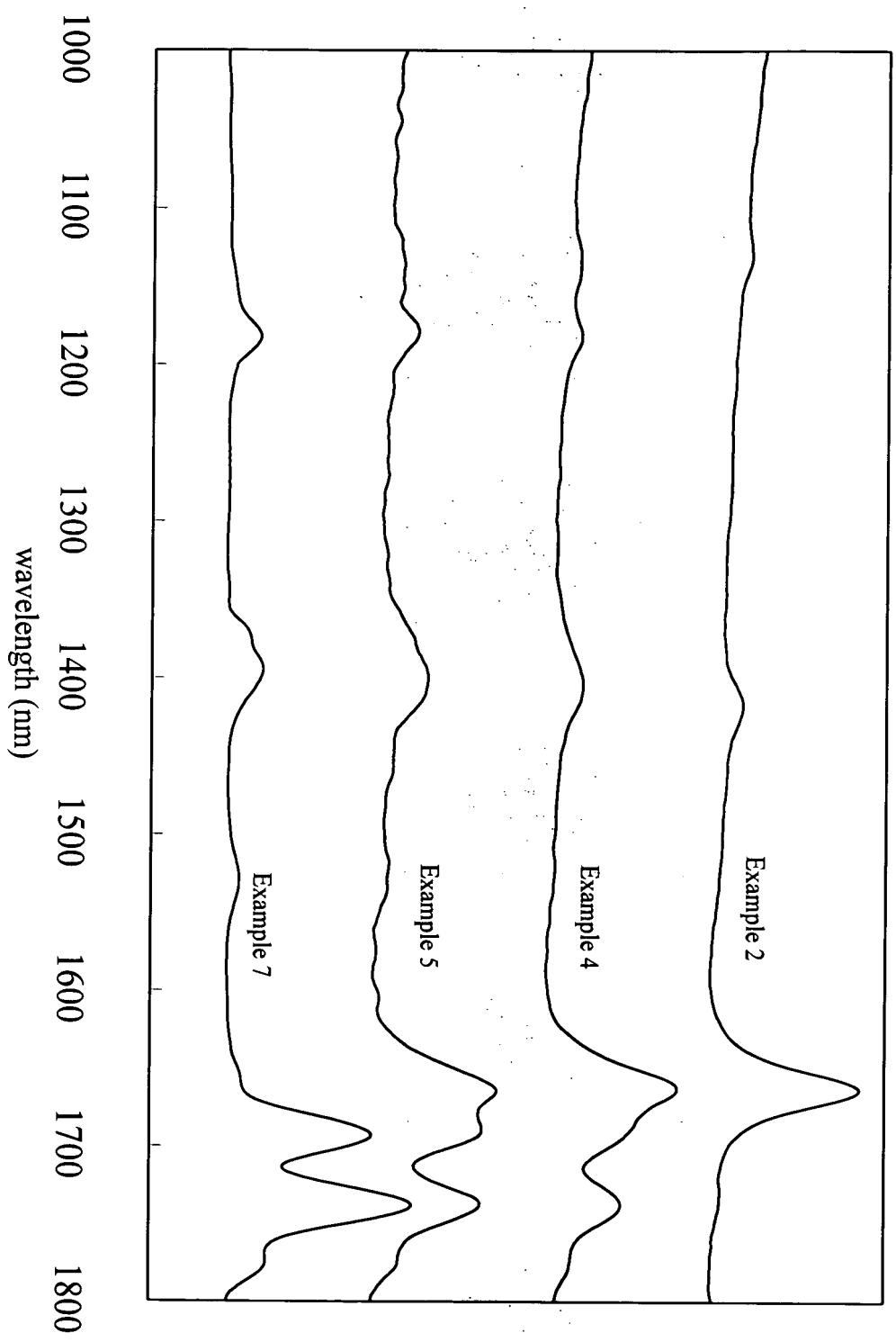


Figure 8

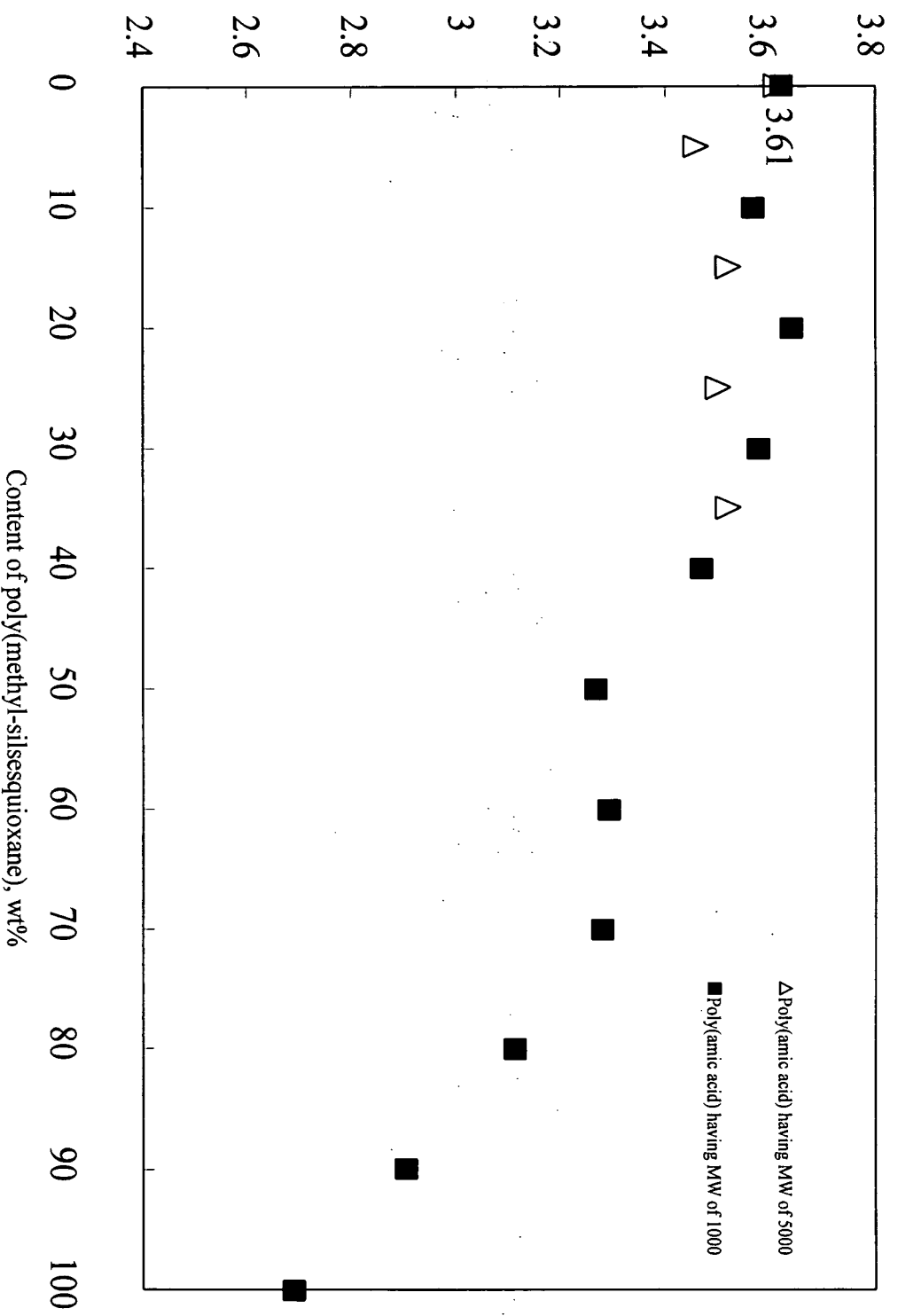


Figure 9

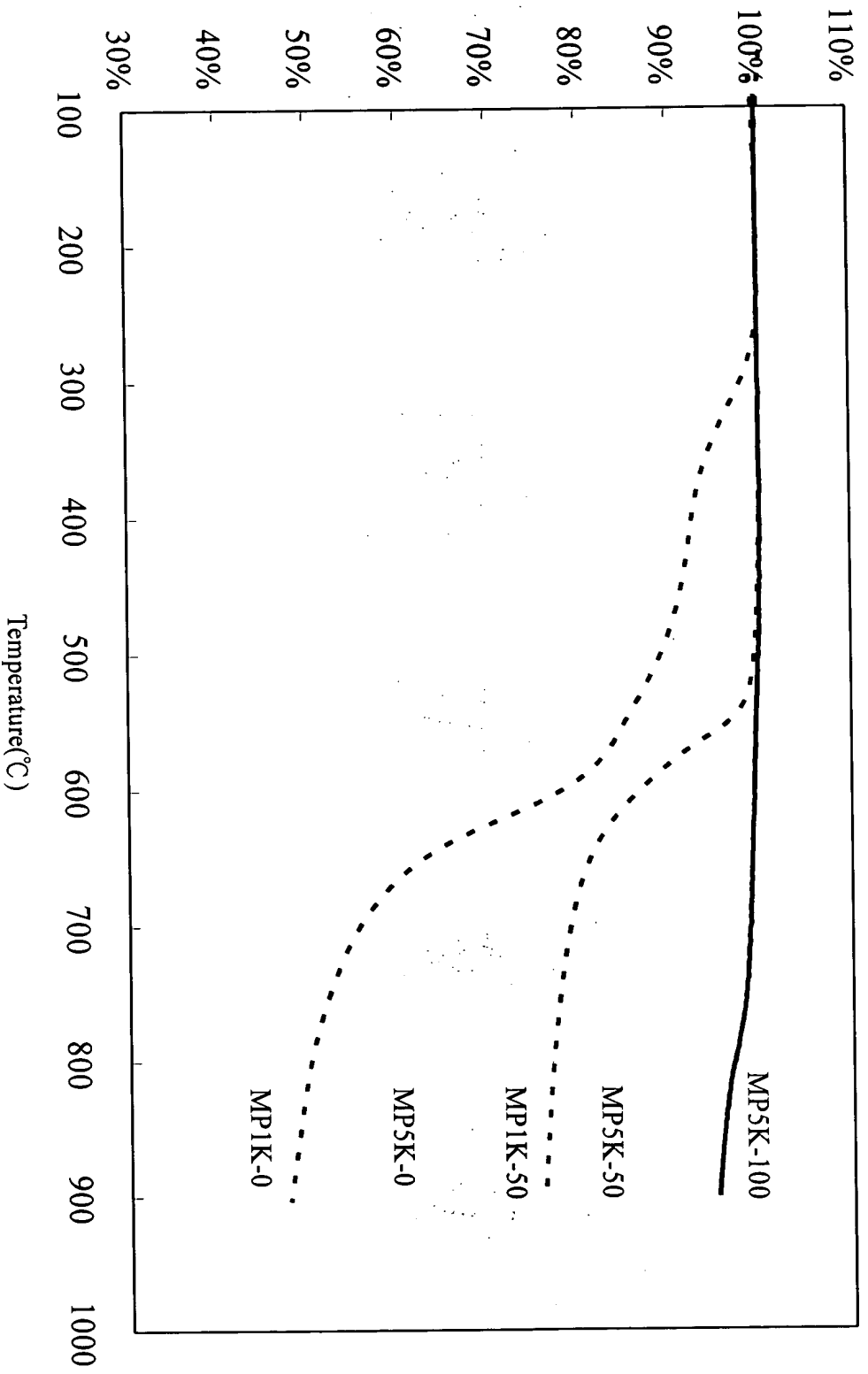


Figure 10

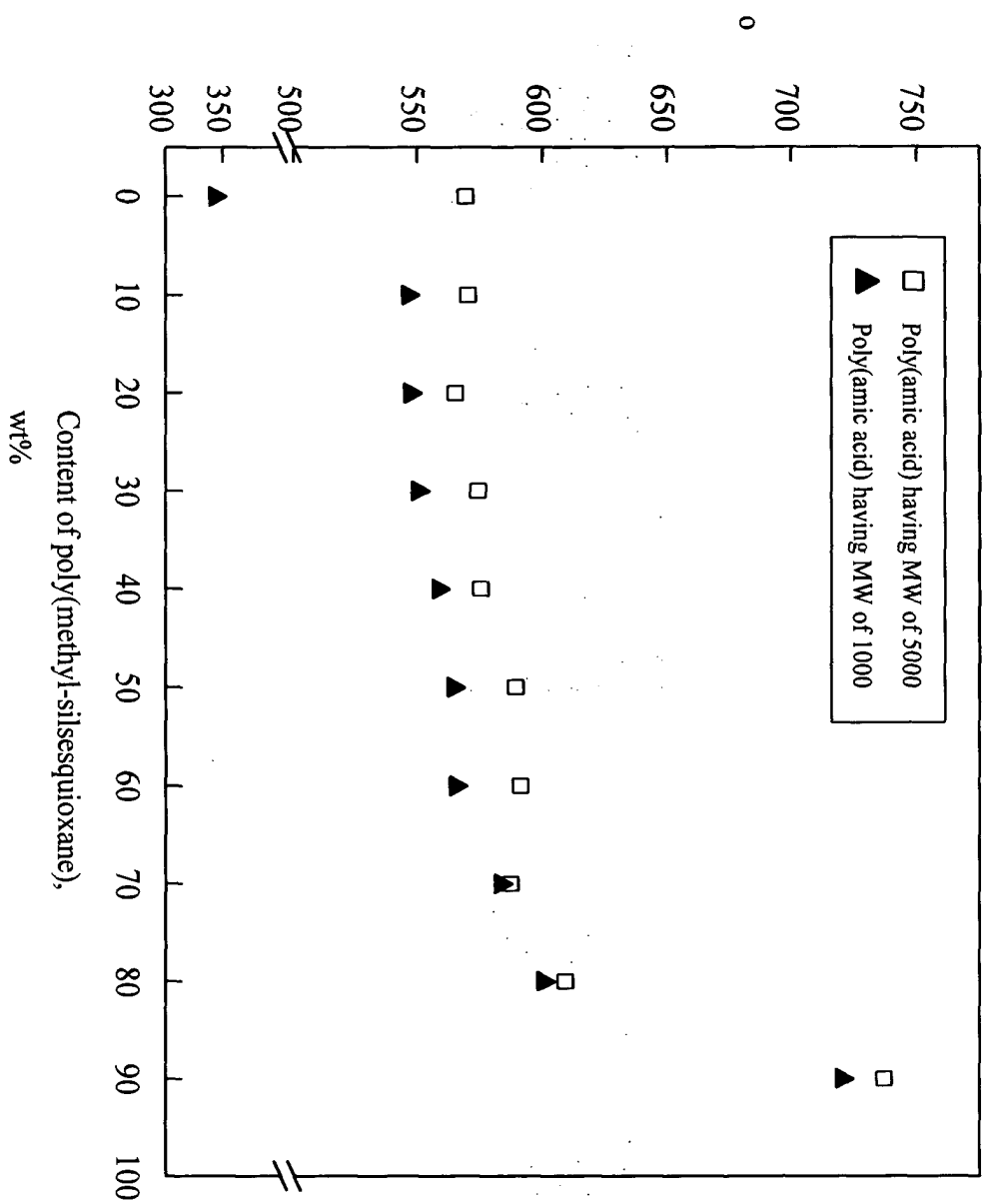


Figure 11

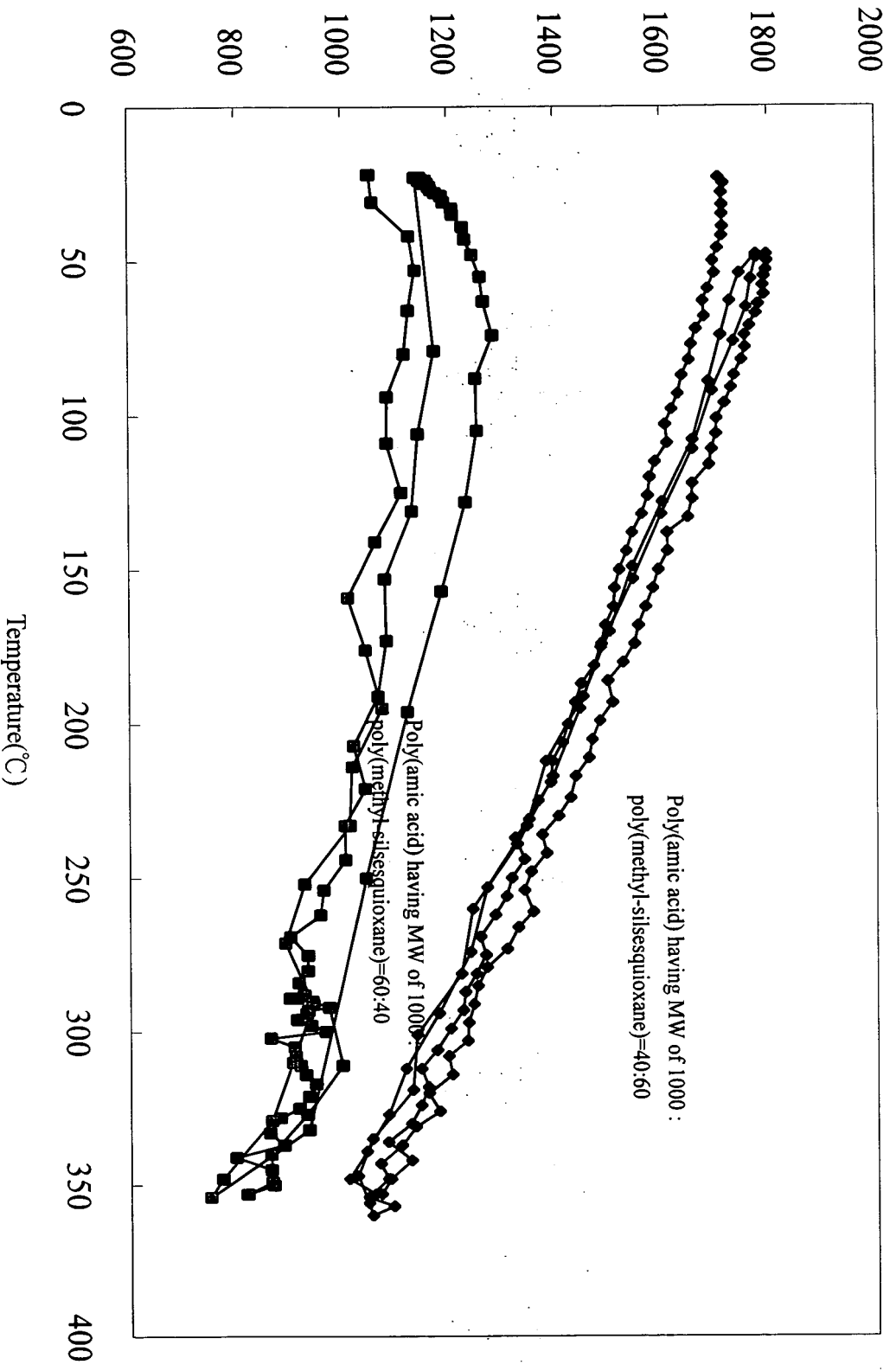


Figure 12